Author Index to Volume 27

Ashkenas, L.R. *see* Lamberti, G.A.
Axler, R.P. *see* Reuter, J.E.

Barbiero, R.P. and Welch, E.B. Contribution of benthic blue–green algal recruitment to lake populations and phosphorus translocation, 249
Blenkinsopp, S.A. and Lock, M.A. Impact of storm-flow on electron transport system activity in river biofilms, 397
Boon, P.I. *see* Sorrell, B.K.
Boulton, A.J. and Lake, P.S. The ecology of two intermittent streams in Victoria, Australia. II. Comparisons of faunal composition between habitats, rivers and years, 99
Boulton, A.J. and Lake, P.S. The ecology of two intermittent streams in Victoria, Australia. III. Temporal changes in faunal composition, 123

Campbell, I.C., James, K.R., Hart, B.T. and Devereaux, A. Allochthonous coarse particulate organic material in forest and pasture reaches of two south-eastern Australian streams. I. Litter accession, 341
Campbell, I.C., James, K.R., Hart, B.T. and Devereaux, A. Allochthonous coarse particulate organic material in forest and pasture reaches of two south-eastern Australian streams. II. Litter processing, 353
Campbell, P.G.C. *see* Hare, L.
Chan, I.K.K. *see* Dudgeon, D.
Connor, E.F. *see* Feldman, R.S.
Couch, C.A. and Meyer, J.L. Development and composition of the epixylic biofilm in a blackwater river, 43

Devereaux, A. *see* Campbell, I.C.
Dole-Olivier, M.J. and Marmonier, P. Patch distribution of interstitial communities: prevailing factors, 177
Dudgeon, D. and Chan, I.K.K. An experimental study of the influence of periphytic algae on invertebrate abundance in a Hong Kong stream, 53

Elwood, J.W. *see* Rosemond, A.D.

Feldman, R.S. and Connor, E.F. The relationship between pH and community structure of invertebrates in streams of the Shenandoah National Park, Virginia, U.S.A., 261
Foldager Pedersen, M. *see* Sand-Jensen, K.

Gerhardt, A. Effects of subacute doses of iron (Fe) on *Leptophlebia marginata* (Insecta: Ephemeroptera), 79
Glova, G.J. *see* Sagar, P.M.
Gregory, S.V. *see* Lamberti, G.A.

Hall, R.I. and Smol, J.P. A weighted–averaging regression and calibration model for inferring total phosphorus concentration from diatoms in British Columbia (Canada) lakes, 417
Hanazato, T. and Ooi, T. Morphological responses of *Daphnia ambigua* to different concentrations of a chemical extract from *Chaoborus flavicans*, 379
Hare, L. and Campbell, P.G.C. Temporal variations of trace metals in aquatic insects, 13
Hart, B.T. *see* Campbell, I.C.
Hawkins, C.R. *see* Lamberti, G.A.
Holomuzki, J.R. *see* Short, T.M.

Jackson, J.K. and Resh, V.H. Variation in genetic structure among populations of the northern caddisfly *Helicopsyche borealis* from three streams in northern California, U.S.A., 29
James, K.R. *see* Campbell, I.C.
Jamieson, R.W. and Wrona, F.J. Life history and production of the predatory caddisfly *Rhyacophila vao* Milne in a spring-fed stream, 1

Kornijów, R. Seasonal migration by larvae of an epiphytic chironomid, 85

Lake, P.S. *see* Boulton, A.J.
Lamberti, G.A., Gregory, S.V., Hawkins, C.P., Wildman, R.C., Ashkenas, L.R. and Denicola, D.M. Plant–herbivore interactions in streams near Mount St Helens, 237
Laurentius Nielsen, S. *see* Sand-Jensen, K.
Lock, M.A. *see* Blenkinsopp, S.A.

Marmonier, P. *see* Dole-Olivier, M.J.
Meyer, J.L. *see* Couch, C.A.
Mulholland, P.J. *see* Rosemond, A.D.

O'Connor, N.A. Quantification of submerged wood in a lowland Australian stream system, 387
Ooi, T. *see* Hanazato, T.

Petersen, R.C., Jr. The RCE: A Riparian, Channel, and Environmental Inventory for small streams in the agricultural landscape, 295
Peterson, R.H. and van Eeckhaute, L. Distribution of Ephemeroptera, Plecoptera and Trichoptera of three maritime catchments differing in pH, 65
Pöckl, M. Effects of temperature, age and body size on moulting and growth in the freshwater amphipods *Gammarus fossarum* and *G. roeseli*, 211

Reice, S.R. *see* Rosemond, A.D.
Resh, V.H. *see* Jackson, J.K.
Reuter, J.E. and Axler, R.P. Physiological characteristics of inorganic nitrogen uptake by

spatially separate algal communities in a nitrogen-deficient lake, 227
Richardson, J.S. Food, microhabitat, or both? Macroinvertebrate use of leaf accumulations in a montane stream, 169
Rosemond, A.D., Reice, S.R., Elwood, J.W. and Mulholland, P.J. The effects of stream acidity on benthic invertebrate communities in the south-eastern United States, 193

Sagar, P.M. and Glova, G.J. Invertebrate drift in a large, braided New Zealand river, 405
Sand-Jensen, K. and Vindbæk Madsen, T. Patch dynamics of the stream macrophyte, *Callitriche cophocarpa*, 277
Sand-Jensen, K., Foldager Pedersen, M. and Laurentius Nielsen, S. Photosynthetic use of inorganic carbon among primary and secondary water plants in streams, 283
Schmid, P.E. Community structure of larval Chironomidae (Diptera) in a backwater area of the River Danube, 151
Short, T.M. and Holomuzki, J.R. Indirect effect of fish on foraging behaviour and leaf processing by the isopod *Lirceus fontinalis*, 91
Smol, J.P. *see* Hall, R.I.
Sorrell, B.K. and Boon, P.I. Biogeochemistry of billabong sediments. II. Seasonal variations in methane production, 435
Stauffer, R.E. Efficient estimation of temperature distribution, heat storage, thermocline migration and vertical eddy conductivities in stratified lakes, 307
Suren, A.M. and Winterbourn, M.J. The influence of periphyton, detritus and shelter on invertebrate colonization of aquatic bryophytes, 327

van Eeckhaute, L. *see* Peterson, R.H.
Vindbæk Madsen, T. *see* Sand-Jensen, K.

Waringer, J.A. The drifting of invertebrates and particulate organic matter in an Austrian mountain brook, 367
Welch, E.B. *see* Barbiero, R.P.
Wildman, R.C. *see* Lamberti, G.A.
Winterbourn, M.J. *see* Suren, A.M.
Wotton, R.S. Feeding by blackfly larvae (Diptera: Simuliidae) forming dense aggregations at lake outlets, 139
Wrona, F.J. *see* Jamieson, R.W.